Entered in NID File Location Map Pinned Card Indexed	Chief
COMPLETION DATA:	
Date Well Completed	Location Inspected
1. A WW 18	Bond released
Company Carlos Company	
LOGS PIL	
Driller's Log	
Electric Logs (No.) Buel I Lat	CP-W Micro
BRC Sonic GR Lat 1	
CBLog CCLog Others	

e siege

Form approved. Budget Bureau No. 42-R1425.

(Other instruct reverse side) UNITED STATES DEPARTMENT OF THE INTERIOR

	DEPART MENT		5. LEASE DESIGNATION AND SERIAL N			
A DDI ICATION		· DACK	6. IF INDIAN, ALLOTTEE OR TRIBE NAM			
1a. TYPE OF WORK	Y FOR PERMIT 1	O DRILL, L	JEEPI	EN, OR PLUG	BACK	
DRI	ILL 🖾	DEEPEN [PLUG B	ACK 🗌	7. UNIT AGREEMENT NAME
b. TYPE OF WELL	AS X OTHER		sı	NGLE MUI	TIPLE X	S. FARM OR LEASE NAME
2. NAME OF OPERATOR	ELL A OTHER	· · · · · · · · · · · · · · · · · · ·	20	NE L ZON	E M	Big Indian
Union	Oil Company c	f Califor	nia			9. WELL NO.
3. ADDRESS OF OPERATOR						8-B9
P. O. 4. LOCATION OF WELL (R	Box 2620 - Ca	sper, WY	82	602	····	10. FIELD AND POOL, OR WILDCAT Big Indian
At Sillace	4' FNL & 1697	'FEL \	h 0)		11. SEC., T., R., M., OR BLK.
At proposed prod. zon		rel w				AND SURVEY OR AREA
	e as Surface	•				Sec. 9, T30S, R25
· · · · · · · · · · · · · · · · · · ·	AND DIRECTION FROM NEAR			: *		12. COUNTY OR PARISH 13. STATE
15. DISTANCE FROM PROPO		: Moab, Ut		O. OF ACRES IN LEASE	1 17 NO	San Juan Utah OF ACRES ASSIGNED
PROPERTY OR LEASE I	INE FT.	4115'		,916.32	TO T	160 acres
(Also to nearest drig 18. DISTANCE FROM PROF	OSED LOCATION*			OPOSED DEPTH	20. ROTA	ARY OR CABLE TOOLS
TO NEAREST WELL, D OR APPLIED FOR, ON TH	RILLING, COMPLETED, IS LEASE, FT.	4449'		5,800'		Rotary
21. ELEVATIONS (Show who		/** 3 -				22. APPROX. DATE WORK WILL STAR
23.	6925 GR	(Ungraded	1)	· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·	6-15-79
20.	r	ROPOSED CASIN	G ANI	CEMENTING PRO	GRAM	
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FO	от	SETTING DEPTH		QUANTITY OF CEMENT
17-1/2"	13-3/8"	48#		150'		180 sx.
12-1/4" 7-7/8"	8-5/8" 5-1/2"	32#		3200'		1950 sx.
7 770	J-1/2	17#		5800'		425 sx.
PROPOSED PL	AN OF PROCEDU	<u>IRE</u> :				
Drill 17_1/	or holo to le	OI Dun	and	goment 12	2 /011 ~	aging with somet
calculated	to circulate	nrill I	2-1	/4" hole to	-3/0 C	asing with cement with mud. Run
						rculate to surface
						d if production
is indicate	d, run and ce	ement 5-1/	/2 ¹¹	liner. Per	rforate	and complete using
2-7/8" tubi	ng.					
					•	
Inctall and	test B.O.P.	hoforo di	-:11	ing out su	rface c	asing shoe. B.O.P
	rationally to					
J-			- 1			
IN ABOVE SPACE DESCRIBE	E PROPOSED PROGRAM: If	proposal is to deep	en or t	olug back, give data o	n present prod	ductive zone and proposed new produc
zone. If proposal is to preventer program, if an	drill or deepen directions	lly, give pertinent	data c	n subsurface location	s and measure	ed and true vertical depths. Give blow
24.	1 1011					
SIGNED S	I Ladd h	mam	n	istrict Dr	illina	Supt pare 4-12-79
	R. G. Vado	l, Jr.	44B)			
Tuns space for Fede	eral or State office use)					
PERMIT NO.		-		APPROVAL DATE	· · · · · · · · · · · · · · · · · · ·	
APPROVED BY		TIT	I.K		·	DATE

Proposed well location Section Scale: |"= 1000"

WELL LOCATION: Union Oil Co. Big Indian Unit No. 8-B9

Located 992 feet South of the North line and 2105 feet West of the East line of Section 9

Township 30 South Range 25 East Salt Lake Base & Meridian

San Juan County, Utah:

Existing ground elevation determined at 6966 feet based on adjoining locations.

i hereby certify the above plot represents a crue mode under my supervision and that it is active to the best of my knowledge and belief.

Salural HREE

FREDERICK H. REED
Registered Land Surveyo

UNION OIL CO. CASPER, WYO.

WELL LOCATION PLAT

Big Indian No. 8-89

Sec. 9, T 30 S, R 25 E

San Juan Co., Utah

CLARK-REED & ASSOC. Durango , Colorado

DATE: May 13,1979 FILE NO: 79033

660 2238 2502 location Section Scale: |"= 1000"

WELL LOCATION: Union Oil Co. Big Indian Unit No. 8-B9

Located 1274 feet South of the North line and 1697 feet West of the East line of Section 9

Township 30 South Range 25 East Salt Lake Base & Meridian

Existing ground elevation determined at 6925 feet based on adjoining locations.

i hereby certify the above plot represents a structure of the supervision and that it is occurred to the best of my knowledge and belief

FREDERICK M. REED

Attachment No. 1

UNION OIL CO. CASPER, WYO.

WELL LOCATION PLAT
Big Indian No. 8-89
Sec. 9, T 30 S, R 25 E
San Juan Co., Utah

CLARK - REED & ASSOC DATE

OATE! APRIL 6, 1971

** FILE NOTATIONS **

Date: <u>April 20, 1979</u>	•
Operator: Union Du Co. of	California
Well No: Big Indian 8-89	V
Location: Sec. 9 T. 305 R. 25E	County: San Juan
	ntered on N.I.D.:
Card Indexed: / C	ompletion Sheet: $\sqrt{\sqrt{}}$
VAPI Number: 4	3-037-30483
CHECKED BY:	
Administrative Assistant:	
Remarks:	
Petroleum Engineer: M.S. Minde	le 5-2-79
Remarks:	
Director:	
Remarks:	
INCLUDE WITHIN APPROVAL LETTER:	
Bond Required: //	Survey Plat Required: //
Order No.	Surface Casing Change // to
Rule C-3(c) Topographic exception/co within a 660' radius of	mpany owns or controls acreage
0.K. Rule C-3 //	O.K. In Unit
Other:	

Letter Written/Approved



UNITED STATES SUBMIT IN TRIPLICATE OF THE INTERIOR (Other Instructions on re-GE

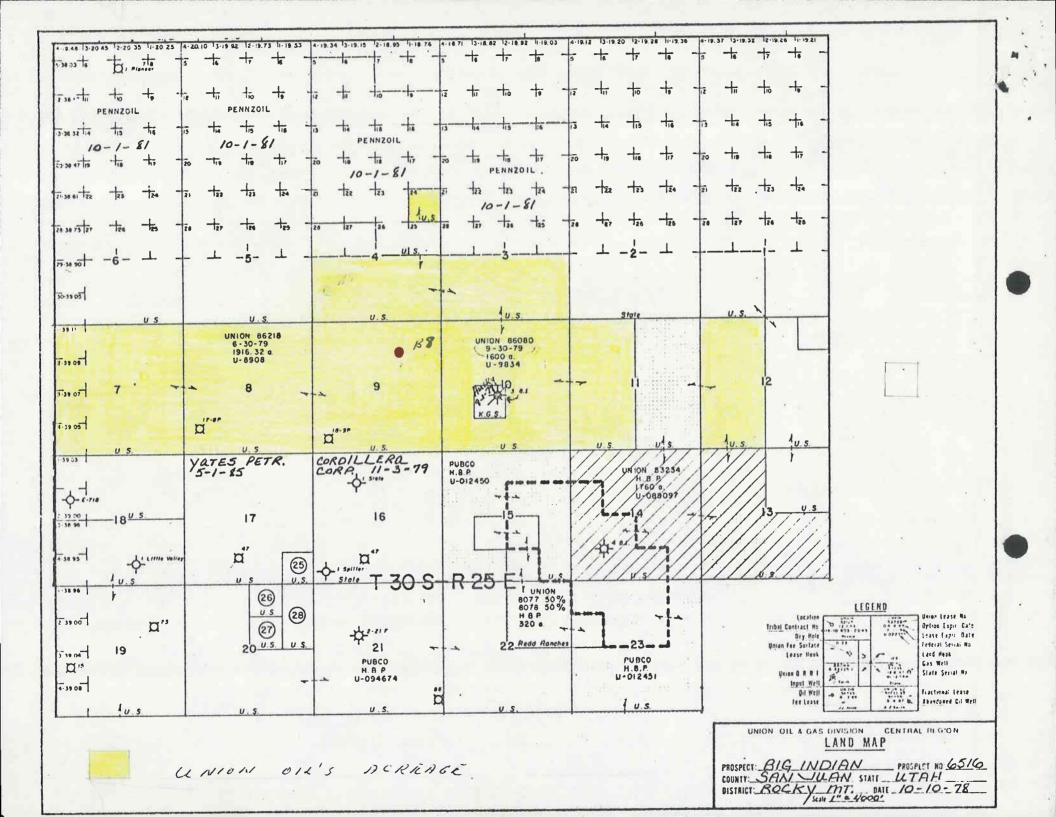
Form approved.
Budget Bureau No. 42-R1424.
LEASE DESIGNATION AND SERIAL NO.

OLOGICAL	SURVEY		Ü	-8908	

TOLL WOOLUS	CCC AND DEDOOR	2 (2) 1 1 (2)	6. IF INDIAN, ALLOTTEE	OR TRIBE NAME
SUNDKY NOIN (Do not use this form for proposa Use "APPLICAT	CES AND REPORTS this to drill or to deepen or plus for PERMIT—" for su			
OIL GAS X OTHER		(3) A. A	7. UNIT AGREEMENT NA	MB
NAME OF OPERATOR		A STATE OF THE STA	8. FARM OR LEASE NAM	Œ
Union Oil Company of Ca	alifornia	DIVISION OF 1979	Big Indian	· · · · · · · · · · · · · · · · · · ·
P. O. Box 2620 - Caspe		(63) SAS, & MILL	8-B9	
. LOCATION OF WELL (Report location cle See also space 17 below.)	early and in accordance with	any State requirements.	10. FIELD AND POOL, O	R WILDCAT
At surface 1274' FNL & 169			Big Indian	
12/4 FNL & 109	/ FEL	113111	11. SEC., T., R., M., OR E SURVEY OR AREA	BLK. AND
		•	Sec. 9, T30S,	R25E.
4. PERMIT NO.	15. ELEVATIONS (Show whether		12. COUNTY OR PARISH	13. STATE
***************************************	6925' GR	(Ungraded)	San Juan	Utah
6. Check App	propriate Box To Indicat	e Nature of Notice, Report, o	r Other Data	
NOTICE OF INTENT	TON TO:	SUBS	SEQUENT REPORT OF:	
TEST WATER SHUT-OFF	ULL OR ALTER CASING	WATER SHUT-OFF	REPAIRING V	WELL
FRACTURE TREAT M	ULTIPLE COMPLETE	FRACTURE TREATMENT	ALTERING- C.	ASING
SHOOT OR ACIDIZE	BANDON*	SHOOTING OR ACIDIZING	ABANDONME	NT*
(Other) DRILL UNORTHODO	HANGE PLANS	(Other) (Note: Report rest	ults of multiple completion mpletion Report and Log for	on Well
7. DESCRIBE PROPOSED OR COMPLETED OPER proposed work. If well is direction				
Union Oil Company of Ca & 1697' FEL, Section 9 This well has been stal graphic features. Two orthodox location. Unition 10 except for the south 320 acres of Section and south, along Range 25 East. The case well, located in the State of the proposed location. Union Oil Company of Case 1600 and 1600 acres of Case 160	, Township 30 Souked as an unorthodays were spent of the SW/4 tions 3 and 4 white with the west halosest Honaker Translation.	th, Range 25 East, Sar dox location because of with the surveyor in a as Sections 7, 8, and which Husky Oil Compa ch are exceptionally I lfs of Sections 11 and ail production is Unic , which is approximate	of the prevailing of the prevailing of the prevailing on attempt to fir 9 leased and also any has leased ar long sections rund 12, Township 30 on's Big Indian Mely 2 miles south	tah. g topo- nd an so Sec- nd the nning) South, No. 4
(In connection with the April 16, 1979.)	e Application for	Permit to Drill subje	ect well submitte	ed on
8. I hereby certify that the foregoing is	true and correct			
SIGNED J. Jadl R. G. P.	add, Jr.	District Drilling Sup	DATE 4-27	7–79
(This space for Federal or State office	ce use)			
APPROVED BY	TITLE _		DATE	
CONDITIONS OF APPROVAL, IF A	MT:		PROVED BY THE D , GAS, AND MINIT	

*See Instructions on Reverse Side

DATE: 5-2-79 BY: M. J. Minder



SCOTT M. MATHESON Governor

GORDON E. HARMSTON Executive Director, NATURAL RESOURCES

CLEON B. FEIGHT

Director



OIL, GAS, AND MINING BOARD

CHARLES R. HENDERSON

JOHN L. BELL
C. RAY JUVELIN
THADIS W. BOX
CONSTANCE K. LUNDBERG
EDWARD T. BECK
E. STEELE McINTYRE

STATE OF UTAH

DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL, GAS, AND MINING 1588 West North Temple Salt Lake City, Utah 84116 (801) 533-5771

May 4, 1979

UNION OIL COMPANY OF CALIFORNIA P O BOX 2620 CASPER WY 82602

Re: Well No. Big Indian 8-B9, Sec. 9, T. 30S, R. 25E, San Juan County, UT

Gentlemen:

Insofar as this office is concerned, approval to drill the above referred to well on said unorthodox location is hereby granted in accordance with Rule C-3(c), General Rules and Regulations and Rules of Practice and Procedure.

Should you determine that it will be necessary to plug and abandon this well, you are hereby requested to immediately notify the following:

MICHAEL T. MINDER - Geological Engineer

HOME: 876-3001 OFFICE: 533-5771

Enclosed please find Form OGC-8-X, which is to be completed whether or not water sands (aquifers) are encountered during drilling. Your cooperation in completing this form will be appreciated.

Further, it is requested that this Division be notified within 24 hours after drilling operations commence, and that the drilling contractor and rig number be identified.

The API number assigned to this well is 43-037-30483.

Very truly yours,

DIVISION OF OIL, GAS, AND MINING

CLLMS FLIGHT Cleon B. Feight, Director

/1w

cc: U. S. Geological Survey

Enclosure

	y 1000,00	UNITED STATES MENT OF THE INTERI	OR (Other instructions on reverse side)	Budget Burea 5. LEASE DESIGNATION	u No. 42-R1424.
		SEOLOGICAL SURVEY		U-8908	
		ICES AND REPORTS Cals to drill or to deepen or plug b		6. IF INDIAN, ALLOTTER	OR TRIBE NAME
	OIL GAS X OTHER			7. UNIT AGREEMENT NA	M IS
2.	NAME OF OPERATOR			8. FARM OR LEASE NAM	(E
	Union Oil Company	of California	· ·	Big Indian	
3.	ADDRESS OF OPERATOR			9. WELL NO.	
	P. O. Box 2620 - 0	8-B9			
4.	LOCATION OF WELL (Report location of See also space 17 below.)	learly and in accordance with any	State requirements.*	10. FIELD AND POOL, OF	WILDCAT
	At surface			Big Indian	
	1274' FNL	& 1697' FEL		11. SEC., T., R., M., OR B SUBVEY OR AREA	LK. AND
	•			Sec. 9, T.30	S., R.25E.
14.	PERMIT NO.	15. ELEVATIONS (Show whether DF		12. COUNTY OR PARISH	13. STATE
	43-037-30483	6925' GR	(Ungraded	San Juan	Utah
16.	Check Ap		lature of Notice, Report, or C	Other Data JENT REPORT OF:	
	TEST WATER SHUT-OFF	PULL OR ALTER CASING	WATER SHUT-OFF	REPAIRING V	VELL
	FRACTURE TREAT	MULTIPLE COMPLETE	FRACTURE TREATMENT	ALTERING CA	ASING
	SHOOT OR ACIDIZE	ABANDON*	SHOOTING OR ACIDIZING	ABANDONME	· - ·
•	REPAIR WELL	CHANGE PLANS	((()	<u> bmitted 4-16-79</u>	
	(Other)		(Note: Report results Completion or Recompl	of multiple completion of the completion of the completion Report and Log for	on Well :m.)
17.	DESCRIBE PROPOSED OR COMPLETED OPE proposed work. If well is directionent to this work.)*	RATIONS (Clearly state all pertinen mally drilled, give subsurface local	it details, and give pertinent dates, tions and measured and true vertice	including estimated dat al depths for all markers	e of starting any and zones perti-
			anticipate penetrati	•	
	while drilling Big I any potash in the ar		8-B9, and, therefore,	will not pene	trate
	The second secon				
•					
a	(Re: Letter from Ca	rl A. Barrick, USGS,	Durango, Colorado, d	ated 4-27-79.)	



CALLED THE		
SIGNED R. G. Ladd, Jr.	TITLE District Drlg. Supt.	DATE 5-8-79
(This space for Federal or State office use)		
APPROVED BY	TITLE	DATE

Form 9-331 (May 1963)	DEPARTM	INITED STATES ENT OF THE IN		SUBMIT IN TRIPLITE* (Other instructions on reverse side)	5. LEASE DESIGNATION A	1 No. 42-R1424. AND SERIAL NO.
(Do not	SUNDRY NOTION USE this form for proposa Use "APPLICAT	CES AND REPORTION FOR PERMIT—" for			6. IF INDIAN, ALLOTTEE	OR TRIBE NAME
1.	GAS X OTHER				7. UNIT AGREEMENT NAM	a d
2. NAME OF OPPORT	EBATOR Dil Company of C	alifornia			8. FARM OR LEASE NAM: Big Indian	R
	Box 2620 - Caspe	•			9. WELL NO. 8-B9	
4. LOCATION OF See also spa At surface	well (Report location cloce 17 below.) 992 FNL 8	arly and in accordance w	vith any State	requirements.*	Big Indian 11. SEC., T., R., M., OE B. SURVEY OR AREA	
14. PERMIT NO.	·	15. ELEVATIONS (Show w	hether DF. RT. (SR etc.)	Sec. 9, T.305	S., R.25E.
11. 1		1	6' (Ungr		San Juan	Utah
16.	Check Ap	propriate Box To Indi	icate Natu	e of Notice, Report, or (Other Data	
	NOTICE OF INTENT	non to:	_	SUBSEQ	UENT REPORT OF:	
FRACTURE SHOOT OR A REPAIR WE (Other) 17. DESCRIBE PR Droposed	TREAT ACIDIZE ALL C DRILL UNORTHODOS		X pertinent deface locations	WATER SHUT-OFF FRACTURE TREATMENT SHOOTING OR ACIDIZING (Other) (NOTE: Report result Completion or Recomp	ALTERING CA ABANDONMEN s of multiple completion concletion Report and Log for the concluding estimated date and depths for all markers	SING ON Well m.)
Union O 2105' F well ha graphic was det the loc propose will no	il Company of Ca EL, Section 9, 1 d been staked as features. An a ermined that the ation would des d location will t interfere with	Township 30 Sous an unorthodox archeological is original locatory the archeobe out of the athe site. Du	th, Range location spection would logical area of e to the	rill Big Indian We 25 East, San Justin at 1274' FNL & on was conducted on the site and disturb the archeological topographic feature unorthodox locations.	an County, Utah 1697' FEL due to n the location on camp and that Indian artifacts site. Also the ures and the are	This topo- and it building the road

Union Oil Company has Sections 7, 8, and 9 leased and also Section 10 except for the NE/4 of the SW/4 which Husky Oil Company has leased and the south 320 acres of Sections 3 and 4 which are exceptionally long sections running north and south, along with the west halfs of Sections 11 and 12, Township 30 South, Range 25 East. The closest Honaker Trail production is Union's Big Indian No. 4 well, located in the SW/4 of Section 14, which is approximately 2 miles southeast of the proposed location.

Union Oil Company of California requests permission to drill this unorthodox location.

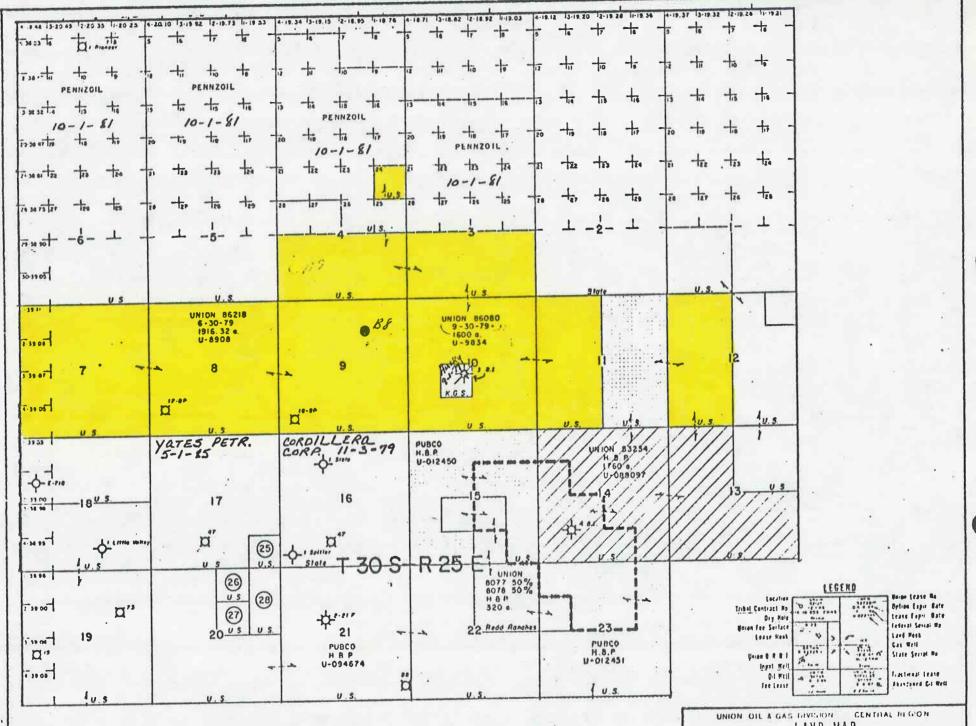
(In connection with the Application for Permit to Drill subject well submitted on April 16, 1979.)

	April 10, 1979.)					
18.	SIGNED David A. Gomendi	TITLE _	Drilling	Engineer	DATE	
	(This space for Federal or State office use)					
	APPROVED BYCONDITIONS OF APPROVAL, IF ANY:	TITLE _		APPROVED OIL, GAS.	BYTTHE DIVISION OF	F

*See Instructions on Reverse Side

DATE: 7-30-79

BY: May Min D.



LINION OIL'S BUREALE

LAND MAP

PROSPECT: BIG INDIAN PROSPECT NO & COUNTY: SAN JUAN STATE WTAH PROSPLET NO 6516 DISTRICT ROCKY MIT. DATE 10-10-78

Union Oil and Gas Division: Central Region

Union Oil Company of California Post Office Box 2620, Casper, Wyoming 82602 Telephone (307) 234-1563



Un 76 n

May 21, 1979



U.S. Geological SurveyBranch of Oil & Gas OperationsFederal Bldg.701 Camino del RioDurango, CO 81301

Attn: Mr. E. A. Schmidt

Re: Application for Permit to Drill Big Indian Well No. 8-B9 992' FNL & 2105' FEL Sec. 9, T.30S., R.25E. San Juan County, Utah

Gentlemen:

In connection with our Application for Permit to Drill the above captioned well, submitted to your office on April 16, 1979, and our request for approval to drill the unorthodox location shown above, submitted on May 16, 1979, we are enclosing four copies of the revised well location plats.

Very truly yours,

UNION OIL COMPANY OF CALIFORNIA

M.E. Dill

For: R. G. Ladd, Jr.

District Drilling Superintendent

DAG:pd Enclosures

cc: Utah Oil & Gas Conservation Commission (3) \checkmark

Salt Lake City, Utah Attn: Mike Minder

Proposed well !location Section Scale: | " = 1000'

WELL LOCATION: Union Oil Co. Big Indian Unit No. 8-B9

Located 992 feet South of the North line and 2105 feet West of the East line of Section 9

Township 30 South Range 25 East Salt Lake Base & Meridian

San Juan County, Utah:

Existing ground elevation determined at 6966 feet based on adjoining locations.

i hereby certify the above plat represents a survey made under my supervision and that it is according to the best of my knowledge and belief

FREDERICK H. REED
Registered Land Surveyo

UNION OIL CO. CASPER, WYO.

WELL LOCATION PLAT
Big Indian No. 8-B9
Sec. 9, T 30 S, R 25 E
San Juan Co., Utah

CLARK - REED & ASSOC.
Durango, Colorado

DATE: May 13,1979 FILE NO: 79033

DIVISION OF OIL, GAS, AND MINING

SPUDDING INFORMATION

NAME OF COMPANY:	UNION C	IL COMF	ANY OF	CALIFORNI	A		
WELL NAME:	Big Inc	lian 8-E	39				
SECTION 9	TOWNSHIP	30 S	RANGE_2	25 E	COUNTY	San Juan	
DRILLING CONTRAC	TOR						
RIG #			·				
SPUDDED: DATE_	June 15, 1	979					
TIME	4:30 a.m.						
HOW				-			
DRILLING WILL CO	MMENCE				·		
REPORTED BY							
TELEPHONE #							

DATE June 15, 1979

SIGNED M. of Minder

cc: U. S. Geological Survey Jerry Long Ronald Joseph Form 9-331 (May 1963)

UND STATES DEPARTMENT OF THE INTERIOR

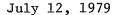
SUBMIT IN TRIPE ATE*
(Other instructions on re-

Form approved.
Budget Bureau No. 42-R1424

DEPARTM	ENT OF THE INTER	IOR (Other instructions on re	5. LEASE DESIGNATION AND SERIAL NO.
GI	EOLOGICAL SURVEY		U-8908
(Do not use this form for proposal Use "APPLICAT	CES AND REPORTS Is to drill or to deepen or plug YION FOR PERMIT—" for such p		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
OIL GAS X OTHER		RECENTED	7. UNIT AGREEMENT NAME
2. NAME OF OPERATOR		INCLEIVE !	8. FARM OR LEASE NAME
Union Oil Company of C	California	JUN 20 1979	Big Indian
3. ADDRESS OF OPERATOR	177 00600	DIVISI	9. WELL NO.
P. O. Box 2620 - Caspe	er, WY 82602	BAS 8	8-B9
4. LOCATION OF WELL (Report location cle See also space 17 below.) At surface	arly and in accordance with any	tate requirements.	10. FIELD AND POOL, OR WILDCAT Big Indian
0001 777 4 01	1051		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
992' FNL & 21	105' FEL		Sec. 9, T.30S., R.25E.
14. PERMIT NO.	15. ELEVATIONS (Show whether D	· · · · · · · · · · · · · · · · · · ·	12. COUNTY OR PARISE 13. STATE
	6966' (Ungraded)	San Juan Utah
16. Check App	propriate Box To Indicate I	Nature of Notice, Report, or	Other Data
NOTICE OF INTENT	ION TO:	SUBSE	QUENT REPORT OF:
TEST WATER SHUT-OFF PU	JLL OR ALTER CASING	WATER SHUT-OFF	REPAIRING WELL
FRACTURE TREAT	ULTIPLE COMPLETE	PRACTURE TREATMENT	ALTERING CASING
SHOOT OR ACIDIZE	BANDON*	SHOOTING OR ACIDIZING	ABANDONMENT*
REPAIR WELL CF	HANGE PLANS	(Other) SPUD NOTIC	
(Other)			ts of multiple completion on Well pletion Report and Log form.)
 DESCRIBE PROPOSED OR COMPLETED OPER proposed work. If well is direction nent to this work.) * 	ATIONS (Clearly state all pertine lally drilled, give subsurface loc	nt details, and give pertinent date ations and measured and true verti	s, including estimated date of starting any cal depths for all markers and zones perti-
17-1/2" to 218'. Circ Ran and cemented 4 joinew casing at 218' with	culated 1/2 hour. ints & 1 piece (206 th 265 sacks cement lug did not bump.	Tripped out. ') of 13-3/8", 48#, I . Displaced with 27 Released pressure and	Opened 12-1/4" hole to H-40, 8RD, ST&C & Smls., 5 bbls. fresh water at d float held 0.K. Circu-
ahead.		run pun	, , , , , , , , , , , , , , , , , , , ,
•			
	•		
	•		
18. I hereby certify that the foregoing is	true and correct		
SIGNED / Lado	TITLE I	District Drlg. Supt.	DATE 6-18-79
(This space for Federal or State office			
APPROVED BY	NY:		DATE

Union Oil and Gas Prision: Central Region
Union Oil Company of California
Post Office Box 2620, Casper, Wyoming 82602
Telephone (307) 234-1563







State of Utah Department of Natural Resources Division of Oil, Gas, and Mining 1588 West North Temple Salt Lake City, UT 84116

Attn: Mr. Cleon B. Feight Director

Re: Big Indian Well No. 8-B9 992' FNL & 2105' FEL Sec. 9, T.30S., R.25E. San Juan County, Utah

API No. 43-037-30483

Gentlemen:

The drilling contractor for subject well is Veco Drilling, Inc., and the rig is No. 2.

Very truly yours,

UNION OIL COMPANY OF CALIFORNIA

R. G. Ladd, Jr.

District Drilling Superintendent

RGL:pd

Form 9–331 (May 1963)

UNITED STATES DEPARTMENT OF THE INTERIOR

SUBMIT IN TRIPLI (Other instructions on reverse side)

Form approved.

Budget Bureau No. 42-R1424

DEPARTME	NI OF THE INTERIOR	(verse side)	D. LEASE DESIGNATION AND BERIAL NO.
GEO	DLOGICAL SURVEY		U-8908
ALL LODGE ALOTICE	C AND DEDODIC ON	WELLC	8. IF INDIAN, ALLOTTEE OR TRIBE NAME
SUNDRY NOTICE	es and reports on	WELLS	
(Do not use this form for proposals Use "APPLICATIO	to drill or to deepen or plug back ON FOR PERMIT—" for such propos	to a different reservoir.	
1.			7. UNIT AGREEMENT NAME
OIL CAS TO		6 A 4	
WELL WELL X OTHER			S. FARM OR LEASE NAME
2. NAME OF OPERATOR	145	JUL 23	
Union Oil Company of Cal	Lifornia	23 10	Big Indian
3. ADDRESS OF OPERATOR		645, 2 1979	9. WELL NO.
P. O. Box 2620 - Casper, 4. LOCATION OF WELL (Report location clear See also space 17 below.) At surface	, WY 82602	AS, & MIA	8-B9
4. LOCATION OF WELL (Report location clear	ly and in accordance with any State	te requirements.	10. FIELD AND POOL, OR WILDCAT
At surface			Big Indian
	•	The second second	11. SEC., T., E., M., OR BLK. AND SURVEY OR AREA
992' FNL & 210	05' FEL		SURVEI OR ARMA
7,72 7,12 6 22.			Sec. 9, T.30S., R.25E.
14 ppp 14 pp	15. ELEVATIONS (Show whether DF, RT,	CP etc)	12. COUNTY OR PARISH 13. STATE
14. PERMIT NO.			San Juan Utah
	6966' (Ungra	ided)	
16. Charl Appr	opriate Box To Indicate Natu	ra of Notice Report or Ot	her Data
Check Apple	opilate box to indicate that		
NOTICE OF INTENTIO	N TO:	SUBSEQUE	NT REPORT OF:
TEST WATER SHUT-OFF PUL	L OR ALTER CASING	WATER SHUT-OFF	REPAIRING WELL
	LTIPLE COMPLETE	FRACTURE TREATMENT	ALTERING CASING
	[]	SHOOTING OR ACIDIZING	-ABANDONMENT*
	INDON*	(Other) Supplementar	
REPAIR WELL CHA	ANGE PLANS	(Norm: Report results of	f multiple completion on Well
(Other) 17. DESCRIBE PROPOSED OR COMPLETED OPERAT proposed work. If well is directional		Completion or Recomplet	tion Report and Log form.)
Drilled to 3089'. Ran Ray and Caliper. Tripport Ran and cemented 67 join casing at 3089' with 12 ted O.K. Maximum PDP 6 pressure with no flow b 9:45 p.m., 7-12-79. W. to 1500#, O.K. Drillin	ed in and circulated. nts & 1 piece (3078.6) 00 sacks cement. Dis 00#. Bumped plug with ack. Circulated 160	67') of 8-5/8", 32#, splaced with 94 bbls th 2000# and closed sacks cement to pit	J-55, 8RD, ST&C, new . mud. Cement circula D.V. okay. Released . J.C. & C.I.P. at
18. I hereby certify that the foregoing is t	A	rict Drilling Supt.	DATE 7-19-79
(This space for Federal or State office			

Form 9- (May 1	UNITED STATES SUBMIT IN TRIPLICATE* (Other Instructions on re- DEPARTMENT OF THE INTERIOR verse side) GEOLOGICAL SURVEY	Form approved. Budget Bureau No. 42-k1424. 5. LEASE DESIGNATION AND SERIAL NO. U-8908 6. IF INDIAN, ALLOTTEE OR TRIBE NAME
	SUNDRY NOTICES AND REPORTS ON WELLS (Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)	
	ME OF OPERATOR DIVIDIO OIL COMPANY OF California	7. UNIT AGREEMENT NAME 8. FARM OR LEASE NAME Big Indian
3. ADI	ORESS OF OPERATOR O. Box 2620 - Casper, WY 82602	9. WELL NO. 8-B9 10. FIELD AND POOL, OR WILDCAT
Sec	carion of well (Report location clearly and in accordance with state requirements.) e also space 17 below.) e surface 992' FNL & 2105' FEL	Big Indian 11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 9, T.30S., R.25E.
14. PE	15. ELEVATIONS (Show whether DF, RT, GR, etc.) 6966' (Ungraded)	San Juan Utah
17. pi	TEST WATER SHUT-OFF PULL OR ALTER CASING WATER SHUT-OFF FRACTURE TREAT MULTIPLE COMPLETE SHOOTING OR ACIDIZING BROOT OR ACIDIZE CHANGE PLANS CHANGE PLANS WATER SHUT-OFF FRACTURE TREATMENT SHOOTING OR ACIDIZING (Other) Supplementa	REPAIRING WELL ALTERING CASING ABANDONMENT* TY Well History To find multiple completion on Well letion Report and Log form.) Including estimated date of starting an all depths for all markers and zones perticular.
1	DST #1: Misrun.	

Drilled to 3850'. Ran DST #2.

DST #2: Honaker Trail - 3782-3813'

Opened tool for 30 min. initial preflow with strong air blow continuing for 30 mins. S.I. 60 mins., opened for 60 min. flow period with strong air blow decreasing to fair air blow at end of period. S.I. 120 mins. POOH. Recovered 20' rat-hole drilling mud and no water or gas

> IHP 1766#; IPF 55#; FPF (30) 55#; ISIP (60) 191#; IFP 55#; FFP (60) 55#; FSIP (120) 191#; FHP 1766#. BHT 97°

Drilled to 5038' T.D. at 11:00 a.m., 8-1-79. Circulated. Ran FDC/CNL w/GR & Caliper and BHC Sonic Log with GR & SP. Ran DIL, D.L.L., Dipmeter, and Directional Survey.

(CONTINUED ON ATTACHED SHEET)

18. I hereby certify that the foregoing is true and correct		
SIGNED SA Ladda	TITLE District Drilling Supt.	DATE8-14-79
R.G. Ladd, Jr.		
(This space for Federal or State office use)		
APPROVED BY	TITLE	DATE
CONDITIONS OF APPROVAL, IF ANY:		

U.S. Geological Survey Form 9-331

Union Oil Company of California Big Indian Well No. 8-B9 San Juan County, Utah 8-14-79 Pg. 2

*Tripped in hole with D.P. open-ended to 4804'. Circulated 2-1/4 hours. Set cement plug #1 from 4801-4560' as follows: Pumped 25 bbls. fresh water followed by 100 sacks class "B" cement with 2% gel & 18% salt mixed at 14.7#/gal. Displaced with 4 bbls. fresh water followed by 28 bbls. mud. Had full returns while cementing. Pulled up to 4560'. Circulated. Had 15 sacks cement to pit. C.I.P. and J.C. at 5:40 a.m., 8-3-79. Finished circulating hole after spotting cement plug. POOH with D.P.

Ran and cemented 39 joints (1664.67') of 5-1/2" liner at 4,569.62' with float collar at 4,522.51' and top of liner hanger at 2,904.95' (184' overlap). Tagged cement plug at 4569'. Circulated 1/4 hour. Cemented liner as follows: Pumped 1000 gallons of mud flush, 15 bbls. fresh water, and 600 sacks 50-50 pozmix cement with 5# 20-40 sand/sack cement mixed at 14.5#/gallon. Tailed in with 50 sacks class "D" cement with 5# 20-40 sand/sack mixed at 15.6#/gallon. Dropped D.P. plug. Displaced with 21.5 bbls. fresh water when pressure bumped to 3000# with plug at top of liner hanger, then pressured to 6000#. Pressure broke back and finished displacing with total of 38 bbls. fresh water followed by 21 bbls. mud. Did not bump plug. Released pressure. Float held 0.K. Maximum PDP 1000#. P.U. to 4446'. Reversed 250 sacks cement to pit. Had full returns while cementing. C.I.P. & J.C. at 8:40 p.m., 8-3-79. POOH with D.P., D.C., and stinger. W.O.C. 12 hours.

Tripped in hole with 7-7/8" bit on D.P. & D.C. to top of cement, 2762'. Drilled 141'/1-3/4 hours, from 2762-2903'. Circulated hole 1 hour. Displaced hole with fresh water. POOH laying down D.P. & D.C. P.U. 4-3/4" bit on 2-7/8" tubing. Tagged liner hanger at 2903', O.K. RIH to 4482'. Circulated hole with fresh water. P.U. to 4460'. Set slips.

Nippled down BOP stack. N.U. tubing spool and landed 143 joints of 2-7/8", 6.5#, J-55, 8RD, ST&C, new tubing with bit and bit sub on bottom of tubing at 4473'. Installed valve in tubing. Released rig at 6:00 p.m., 8-6-79. Moved off rotary rig.

MIRU service unit. Installed cellar and deadmen. N.U. BOP. Lowered tubing to 4482' ETD. Swabbed 190 bbls. water/8 hours. F.L. surface to 3900'. SION.

SICP & SITP zero/14 hours. Swabbed 15 bbls. water/ $1\frac{1}{2}$ hours. F.L. 3900' to bit at 4482'. POOH.

Ran CNL & GR logs. F.L. in 5-1/2" casing at 4234'. Ran perf guns to 3000' & pressured 8-5/8" & 5-1/2" casing to 1000# with nitrogen, O.K. Perfed 5-1/2" casing, Honaker Trail, 3281-89' and 3294-3300' with 1 spf. Pressure decreased to 950#. Prep to perf.

*Note: Received verbal approval from Mr. Jerry Long, USGS, Durango, CO, on 8-2-79 to plug back.

· · · · · · · · · · · · · · · · · · ·		•		
Form 9-331 UN (May 1963)	IT STATES NT OF THE INTERIO	SUBMIT IN TRIPLIC CO- (Other instructions Perse side)	Form approved Budget Bureau C. LEASE DESIGNATION A	No. 42-R1424.
INN.	DLOGICAL SURVEY	// Verse side/	U-8908	ND SERIED NO.
			6. IF INDIAN, ALLOTTEE	OR TRIBE NAME
(Do not use this form for proposals i	S AND REPORTS OF to drill or to deepen or plug bac N FOR PERMIT—" for such prop	k to a different reservoir.		
1.			7. UNIT AGREEMENT NAM	(E
OIL GAS X OTHER	· · · · · · · · · · · · · · · · · · ·		.,	
2. NAME OF OPERATOR			8. FARM OR LEASE NAME	3
Union Oil Company of	California		Big Indian	
3. ADDRESS OF OPERATOR			9. WELL NO.	
P. O. Box 2620 - Cas	per, WY 82602		8-B9	
4. LOCATION OF WELL (Report location clear) See also space 17 below.)	y and in accordance with any St	ate requirements.	10. FIELD AND POCL, OR	WILDCAT
At surface			Big Indian 11. sec., T., E., M., OR BI	F AND
oog! mm	. 01051 777		SURVEY OR AREA	A. AND
	& 2105' FEL		Sec. 9, T.30S.	<u> </u>
14. PERMIT NO.	5. ELEVATIONS (Show whether DF, R		12. COUNTY OR PARISH	
·	6966¹ (Ung	raded)	San Juan	Utah
16. Check Appro	priate Box To Indicate Na	ture of Notice, Report, or C	other Data	
NOTICE OF INTENTION	7 20 :	SUESEQU	ENT REPORT OF:	<u>.</u>
TEST WATER SHUT-OFF PULL	OR ALTER CASING	WATER SHUT-OFF	REPAIRING W	ELL .
FRACTURE TREAT MULT	TIPLE COMPLETE	FRACTURE TREATMENT	ALTEBING CA	SING
SHOOT OR ACIDIZE ABAM	NDON*	SHOOTING OR ACIDIZING	-ABANDONMEN	r*
REPAIR WELL CHAI	NGE PLANS	(Other)		
(Other)		Completion or Recompl	of multiple completion o etion Report and Log form	m.)
17. DESCRIBE PROPOSED OR COMPLETED OPERATION proposed work. If well is directionally nent to this work.) *	ions (Clearly state all pertinent y drilled, give subsurface location	details, and give pertinent dates, ons and measured and true vertice	including estimated date il depths for all markers	of starting any and zones perti-
Union Oil Company of Ca	lifornia proposes t	o plug & abandon sub	ject well as fo	ollows:
Set 13-3/8"	casing at 218' and	cement to surface.		
Set 8-5/8"	casing at 3089' and	cement to surface.		
Set 5-1/2"	liner at 2905 to 4	570' and circulate o	ement.	
	•		÷	• •
		th 50 sacks cement be		
production packer	at 3242' and 10 sac	cks of cement will be	e dumped on pac	ker.
		l at 1510-1660' and a		
	ed from 60' to surf	_	diffusion and district	
and a dry hole mar	ker will be install	rea. Off. 6	SAS, AND MININ	G

BY: Frank M. Nam.

NOTE: Verbal approval for the Durango, on 8-20-79.	above procedure was received from	Jerry Long, USGS,
3. I hereby certify that the foregoing is true and correct		•
SIGNED R G Ladd Jr	TITLE District Drilling Supt.	DATE 8-20-79
(This space for Federal or State office use)		
APPROVED BY	TITLE	DATE

Form 9-331 (May 1963)

UNITED STATES SUBMIT IN TRIPLICATE (Other Instructions on re-

Form approved.
Budget Bureau No. 42-R1424.
5. LEASE DESIGNATION AND SERIAL NO.

	GEOLOGICAL SURVEY		
SUNDRY NO (Do not use this form for pr Use "APP.	OTICES AND REPORTS roposals to drill or to deepen or plug LICATION FOR PERMIT—" for such i	ON WELLS back to a different reservoir. proposals.)	6. IF INDIAN, ALLOTTEE OR TRIBE NAME
		A 4 %	7. UNIT AGREEMENT NAME
OIL GAS X OTHE	:R	MEDERAL	
NAME OF OPERATOR		AUG 24 1979	8. FARM OR LEASE NAME
Union Oil Comp	any of California	DIVISION OF OIL	Big Indian
ADDRESS OF OPERATOR		GAS OF OIL	9. WELL NO.
P. O. Box 2620		INING E	8-B9
LOCATION OF WELL (Report locati See also space 17 below.)	ion clearly and in accordance with an	State equirements.*	10. FIELD AND POOL, OR WILDCAT
At surface		Terrien	Big Indian
_	• <u>-</u>	TI TOL	11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
992' F	NL & 2105' FEL		
	•		Sec. 9, T.30S., R.25E.
. PERMIT NO.	15. ELEVATIONS (Show whether I		
· ·	6966 ' (U	ngraded)	San Juan Utah
Charle	Appropriate Box To Indicate	Nature of Notice Report or	Other Data
			QUENT REPORT OF:
NOTICE OF I	INTENTION TO:	SUBSE C	
TEST WATER SHUT-OFF	PULL OR ALTER CASING	WATER SHUT-OFF	REPAIRING WELL
FRACTURE TREAT	MULTIPLE COMPLETE	FRACTURE TREATMENT	ALTERING CASING
SHOOT OR ACIDIZE	ABANDON*	SHOOTING OR ACIDIZING	ABANDONMENT*
REPAIR WELL	CHANGE PLANS	(Other) <u>Supplemer</u>	ntary Well History X
(Other)		Completion or Recon	ts of multiple completion on Well apletion Report and Log form.)
proposed work. If well is dinent to this work.) *	D OPERATIONS (Clearly state all pertinive irectionally drilled, give subsurface load	and describe and sime montinent date	es, including estimated date of starting an ical depths for all markers and zones perti
proposed work. If well is dinent to this work.)* 5038' TD SICP 900 psi/18 hou GR logs. F.L. at 4 pressured to 1000 p after perforating. hours. No change i	ars with perfs 3281-89' $234'$. Perfed 3489-93' $234'$ si with N_2 prior to perfect $1000 \# / 1_2'$ hours.	and 3294-3300' open, 3501-05', and 3511- erforating. No increase Bled casing pressure GR log. F.L. at 42	as including estimated date of starting and
proposed work. If well is dinent to this work.)* 5038' TD SICP 900 psi/18 hou GR logs. F.L. at 4 pressured to 1000 pafter perforating. hours. No change i pressure and RIH wi SITP & SICP zero/15 dying immediately. POOH with tubing. and pressured casin No change after 1½	ars with perfs 3281-89' 234'. Perfed 3489-93' si with N ₂ prior to perform to the second term of the second term to the se	and 3294-3300' open, 3501-05', and 3511- reforating. No increase GR log. F.L. at 42: 600N. g with no blow. Open, at 4478'. POOH with parker Trail, 3926-32. Log. F.L. at 4478'.	es, including estimated date of starting any ical depths for all markers and zones pertical depths of the casing as a second casing with faint blow who casing and up tubing. The casing and up tubing the log. RIH with perfigure and the casing with 1 spf. No change in F.L. Bled
proposed work. If well is dinent to this work.)* 5038' TD SICP 900 psi/18 hou GR logs. F.L. at 4 pressured to 1000 pafter perforating. hours. No change i pressure and RIH wi SITP & SICP zero/15 dying immediately. POOH with tubing. and pressured casin No change after 1½ C.P. to 750# at 3:3 Checked F.L. after Pressured casing to change in pressure	ars with perfs 3281-89' 234'. Perfed 3489-93' si with N ₂ prior to perform to perfect the side of the	and 3294-3300' open, 3501-05', and 3511-orforating. No increase Bled casing pressure GR log. F.L. at 42.500N. With no blow. Open on 39,200 scf N ₂ down at 4478'. POOH with onaker Trail, 3926-32. Log. F.L. at 4478'. P.750# for 15-1/2 hours of SICP 750#. F.L. at 4379-90', Honaker an CNL & GR log. F.L. Ran CNL & GR log with a casing pressure.	es, including estimated date of starting any ical depths for all markers and zones pertical depths for all markers
proposed work. If well is dinent to this work.)* 5038' TD SICP 900 psi/18 hou GR logs. F.L. at 4 pressured to 1000 pafter perforating. hours. No change i pressure and RIH wi SITP & SICP zero/15 dying immediately. POOH with tubing. and pressured casin No change after 1½ C.P. to 750# at 3:3 Checked F.L. after Pressured casing to change in pressure	ars with perfs 3281-89's 234'. Perfed 3489-93' osi with N ₂ prior to perform to perform to perform the pressure. Ran CNL & an architecture to the pressure. Ran CNL & an architecture to the perfect that the perfect the perfect that the perfect that the perfect the perfect that	and 3294-3300' open, 3501-05', and 3511- reforating. No increase Bled casing pressure GR log. F.L. at 42: 600N. g with no blow. Open, at 4478'. POOH with a 4478'. P	es, including estimated date of starting any ical depths for all markers and zones pertical depths for all markers
proposed work. If well is dinent to this work.)* 5038' TD SICP 900 psi/18 hou GR logs. F.L. at 4 pressured to 1000 pafter perforating. hours. No change i pressure and RIH wi SITP & SICP zero/15 dying immediately. POOH with tubing. and pressured casin No change after 1½ C.P. to 750# at 3:3 Checked F.L. after Pressured casing to change in pressure to 750#. S.I. 1½ h	ars with perfs 3281-89's 234'. Perfed 3489-93' si with N ₂ prior to perform to perform to perform the pressure. Ran CNL & and the tubing to 4482'. So hours. Opened tubing to 1000#. Perfed Howars. Ran CNL & GR 100 p.m., 8-15-79. SICE 15-1/2 hours. Ran CNL & GR 1000# with N ₂ . Perfer after 1-1/2 hours. Ran chours with no change. (CONTINUED Of the color	and 3294-3300' open, 3501-05', and 3511-orforating. No increase Bled casing pressure GR log. F.L. at 42.500N. With no blow. Open on 39,200 scf N ₂ down at 4478'. POOH with onaker Trail, 3926-32. Log. F.L. at 4478'. P.750# for 15-1/2 hours of SICP 750#. F.L. at 4379-90', Honaker an CNL & GR log. F.L. Ran CNL & GR log with a casing pressure.	es, including estimated date of starting any ical depths for all markers and zones pertical depths of all markers and zones pertical depths of a second zone and zones z
proposed work. It well is dinent to this work.)* 5038' TD SICP 900 psi/18 hou GR logs. F.L. at 4 pressured to 1000 p after perforating. hours. No change i pressure and RIH wi SITP & SICP zero/15 dying immediately. POOH with tubing. and pressured casin No change after 1½ C.P. to 750# at 3:3 Checked F.L. after Pressured casing to change in pressure to 750#. S.I. 1½ h	ars with perfs 3281-89's 234'. Perfed 3489-93' si with N ₂ prior to perform to perfect an example of the street o	and 3294-3300' open, 3501-05', and 3511- reforating. No increase Bled casing pressure GR log. F.L. at 42: 600N. g with no blow. Open, at 4478'. POOH with a 4478'. P	es, including estimated date of starting an ical depths for all markers and zones pertical depths of all markers and zones pertical depths and zones are decreased in pressure to 750#. SICP 750#/1½ 34'. No change. Released decreasing with faint blow wn casing and up tubing. th log. RIH with perf gum and the subject of all with perf gum and the subject of all with 1 spf. No change in F.L. Bled rs. at 4478'. No change. Trail, with 1 spf. No at 4478'. Bled pressure h F.L. at 4478'. No change.

U.S. Geological Survey Form 9-331

Union Oil Company of California Big Indian Well No. 8-B9 San Juan County, Utah 8-20-79 Pg. 2

P.U. Baker "FA" production packer on Schlumberger's electric line and broke slips on packer while running in lubricator. Pressured casing to 1000#. S.D.O.N. - waiting on packer 16-1/2 hours. No change in pressure.

SICP 1000 psi/16-1/2 hours. No change. R.U. Schlumberger. Ran & set production packer on wireline at 3242' with blanking plug in place at 3257' in "F" nipple. Bled casing pressure to zero.

Ran and landed 2-7/8" tubing at 3244.54' with 5000# comp. on packer. Nippled down BOP. Nippled up xmas tree. Pressured tubing with N_2 to 1100 psi, 0.K. Rigged up wireline. Retrieved blanking plug. S.I.O.N. with 1000 psi tubing pressure.

S.D. 24 hours. SITP 850#/40 hours this a.m.

SICP 10#/40 hours. SITP 850#/40 hours. Treated perfs 3281-4390' with 10,000 gals. 7-1/2% HCl acid w/FE & silt sequestering additives, double inhibited, with 100 ball sealers & 1000 scf nitrogen/bbl. acid pumped at 5-3/4 to 5 bpm at 3000-3400 psi. No ball action. Flushed with 10,000 scf N_2 at 3400 psi. ISDP 3400 psi. 2800#/15 mins. Total load 340,000 scf N_2 and 240 bbls. acid water. Flowed to pit for 1-3/4 hours. FTP 2800-0. RIH and found F.L. at 3000'. Swabbed 4 bbls. acid water/1/2 hour. F.L. 3250' and tubing dry. S.D. 1 hour. Ran swab and checked F.L. at 3000'. 250' rise. Swabbed 2 bbls. acid water/1/2 hour. S.D. one hour.

Ran swab. F.L. at 3050'. 200' rise. Swabbed one bbl. acid water/4 hour - very slight gas blow. SICP 950#. SITP 0#. SDON.

Ran swab and checked F.L./8 hours. Had 50' fluid in hole on one run with faint odor of gas. S.D.O.N. Prep to plug and abandon.

Form 9-331 (May 1963)

UNITED STATES DEPARTMENT OF THE INTERIOR

SUBMIT IN TRIPLATE*

(Other instructions on re-

Form approved.
Budget Bureau No. 42-R1424.
5. LEASE DESIGNATION AND SERIAL NO.

	EOLOGICAL SURVEY	<u> </u>	U-8908 6. if Indian, allottee o	D TRIVE NAME
SUNDRY NOTICE (Do not use this form for proposal Use "APPLICAT"	ES AND REPORTS OF STATE OF THE	N WELLS		1.
1.		1. 70.	7. UNIT AGREEMENT NAME	4
OIL GAS X OTHER		AUGUNE	8. FARM OR LEASE NAME	
2. NAME OF OPERATOR Union Oil Company	of California	10	Big Indian	
3. ADDRESS OF OPERATOR		4400	9. WELL NO.	
P. O. Box 2620-Cas	per, WY 82602	May May	8-B9 10. FIELD AND POOL, OR	WILDCAT
4. LOCATION OF WELL (Report location cle See also space 17 below.)	arly and in accordance with any S	tate requirements.	Big Indian	
At surface			11. SEC., T., R., M., OR BLI SURVEY OR AREA	K. AND
992' FNL &	2105' FEL		Sec. 9, T.30S.	
14. PERMIT NO.	15. ELEVATIONS (Show whether DF,		12. COUNTY OR PARISH	13. STATE Utah
	6966' (Ung	graded)	San Juan	Otan
16. Check App	propriate Box To Indicate No	ature of Notice, Report, or O	ther Data	
NOTICE OF INTENT			ENT REPORT OF:	
[]	OULL OR ALTER CASING	WATER SHUT-OFF	REPAIRING W	ELL
1	AULTIPLE COMPLETE	FRACTURE TREATMENT	ALTERING CAS	SING
ļţ	ABANDON*	SHOOTING OR ACIDIZING	ABANDONMEN	r* X
	CHANGE PLANS	(Other)(Note: Report results	of multiple completion of	n Well
(Other) 17. DESCRIBE PROPOSED OR COMPLETED OPE		Completion or Recompl	etion Report and Dog 1012	of starting any
nent to this work.)* 5038 TD Plugged and abandoned		t details, and give pertinent dates, ions and measured and true vertice		
			•	
	as set at 218' and c			· ·
	s set at 3089' and c		:	
5-1/2" liner was	set at 2905' to 457	'0' and cement circula	ated.	
	er at 3242' and 10 sa ck cement plug at 151	50 sacks cement below acks cement was dumped 10-1660' and a 30-sac	d ou the backer	•
from 60' to surf	face. Installed dry	hole marker.	•	•
Well plugged & abando	•			
			II Iona HOOG	<u>,</u>
NOTE: Received verba	al approval of above rado, on August 20, 1	e procedure from Jerr 1979.	y W. Long, USGS	'•
				• • • • • • • • • • • • • • • • • • •
The USGS & St	ate will be notified d ready for inspecti	by letter as soon as	s the location :	ls
18. I hereby certify that the foregoing	is true and correct		•	
SIGNED Ladd	Ladd. Jr.	istrict Drilling Supt	DATE 8-2	23-79
(This space for Federal or State of				
	TITLE		DATE	·
APPROVED BY				

UNITED STATES SUBMIT DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

SUBMIT IN DUPLICALE

(See other instructions on reverse side) Form approved. Budget Bureau No. 42-R355.6.

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-5	LEASE	DESIGNATION	I NO	STREET	27.
٠.	DIME	DESTONATION	****	OLULA !	
				e .	

บ-8908

WELL CO	MPLETION	OR	RECON	MPLETI	ON I	REPORT	AN	D LO	3 *	6. IF INDIAN	, ALLO	TTEE OR TRIBE NAME
ia. TYPE OF WEI			GAS WELL	_	·	Other P				7. UNIT AGR	EEMEN	r NAME
b. TYPE OF COM	PLETION:					Other						
WELL X	OVER DE	EP-	BACK	DIFF	/R. 🗌	Other	:			S. FARM OR	LEASE	NAME
2. NAME OF OPERAT						1.	Ŋ۲			Big Ind		
	Oil Compan	y of	Califo	rnia				CEIVE		9. WELL NO.		
3. ADDRESS OF OPE		0	1777	0060	0	4	AUG	31 197	79	8-B9		
4. LOCATION OF WE	Box 2620 -	casp	er, wi	826U	Z	D	IVISIO	Nue o		¶. i		L, OR WILDCAT
At surface	992' FNL &	2105	· FEL-	- Assa	WIF	state reque	EAS."	MININE		Big Ind		OR BLOCK AND SURVEY
	terval reported be	•		. 1400	17 L		<u>.</u>			OR AREA	,,	on block and bouvar
	Same	EIUW				1	TI	77772		Sec. 9,	т.3	OS., R.25E.
At total depth		,			•		4	علن				
	Same			4 .	BMIT NO.	100		ISSUED		12. COUNTY PARISH	OR	13. STATE
5. DATE SPUDDED	110 5.55 5 5			- 1	37-30			<del>-4-</del> 79	_,	San Jua		Utah
6-15-79	16. DATE T.D. 1 8-1-		1	s сомрь. ( & A -		,	ELEV	ations (d 696		RT, GR, ETC.)*	19. 1	6965
20. TOTAL DEPTH, MD	1		T.D., MD &			TIPLE COMPL	·	090 23. INTE		Jngrd) ROTARY TOO	10	CABLE TOOLS
5038		-		.   22.	HOW M	ANY*	••		LED BY	0 - TD		CABLL TOOLS
4. PRODUCING INTER	VAL(S), OF THIS	COMPLE	TION-TOP	, BOTTOM,	NAME (N	ID AND TVD)			<u>→                                     </u>			. WAS DIRECTIONAL
A Property	,			1.				· · · .				SURVEY MADE
				NONE			1000		•		*	Yes
6. TYPE ELECTRIC	AND OTHER LOGS	RUN D	IL, FD	C, CNL	, BHC	Sonic :	Log	w/GR &	Cali	lper	27. W	AS WELL CORED
		D	LL, Di									No
S. CASING SIZE	WEIGHT, LB.	/FT.	CASI DEPTH SE			ort all string	s set in		ENTING	PECOVO.		
13-3/8"			<del></del>				-					AMOUNT PULLED
8-5/8"	48# 32#			218'		<u>-1/2"</u> -1/4"	-	<del> </del>		sx		
0-3/0	321		<u> </u>	089!		-1/4	-		1,600	) sx		
			<u> </u>				·					
29.		LINER	RECORD				·	30.	. 7	TUBING RECO	ORD	
SIZE	TOP (MD)	вотто	M (MD)	SACKS CE	MENT*	SCREEN (M	(D)	SIZE		DEPTH SET (M	D)	PACKER SET (MD)
5-1/2"	2,904.95'	4,56	9.62'	650	) sx							
31. PERFORATION REG	conn (Internal e	ice and	naton h con				!					
71. I DATOMATION REC	corb (1mervus, s	ese una i	numoer j			32.				URE, CEMEN		
,	CONT. AMMAGN				* - 2 *	DEPTH IN	·····					MATERIAL USED
	SEE ATTACH	ED 20	EEI			3281	-439	0.		acid.	,000	) gals. 7½%
			•			<u> </u>	<del></del> -		HOT	acid.		
												· · · · · · · · · · · · · · · · · · ·
33.*				· - , · · <u>, · · · · · · · · · · · · · · · </u>	PRGI	OUCTION	* .					
PATE FIRST PRODUCT	ION PROD	UCTION I	METHOD (A	lowing, go	is lift, pi	ımping—size —	and t	ype of pum	np)	shu shu	t-in)	s (Producing or
ATE OF TEST	HOURS TESTED	I сн	OKE SIZE	PROD'N	. FOR	OIL—BBL.	<del></del>	GAS-MC	· ·	Plug		& Abandoned
					PERIOD		_				_	
LOW. TUBING PRESS.	CASING PRESSU		CULATED	OILI	BBL.	GAS	-MCF.	1 .	WATER-	BBL,	OIL G	RAVITY-API (CORR.)
		·   •	HOUR RAT	~   -				-	-			
34. DISPOSITION OF G	AS (Sold, used fo	r fuel, ve	nted, etc.)	BT A		<del></del>		<u> </u>		TEST WITNE	SSED B	Y
OK Trom on		<del></del>		N.A.	******************************							
35. LIST OF ATTACH	MENTS Sheet No.	2						•				
36. I hereby certify			ittached ir	formation	is comp	lete and cor	rect as	determina	ed from	all available .	ecords	
	V/1 D	110									ecorus	
SIGNED	1/4 ///	Total	Ir	TI	cle Di	strict	Dril	ling S	Supt.	DATI	E	8-29-79

# NSTRUCTIONS

or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions. and/or State office.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments

Hem 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments.

Hem 22 and 24: If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional atta pertinent to such interval.

Hem 29: "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

Hem 33: Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.) Consult local State should be listed on this form, see item 35. Federal office for specific instructions.

Blowour preventers tested daily in accordance with Union Oil Company policy and reported by Drilling NOTE:

31. SUMMAKI OF FOROUS ZONES: SHOW ALL IMPORTANT ZONES O DEPTH INTERVAL TESTED, CUSH	TESTED, CUSHION	MAKI OF FORGUES ZONES OF POROSITY AND CONTENTS THEREOF; BEFTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING	TS THEREOF; CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING FEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES	38. GEOLOG	GEOLOGIC MARKERS	
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.		TOP	d.
				NAME	MEAS, DEPTH	TRUE VERT. DEPTH
	- Assum		NO COKES.	Summerville (Inc)	5261	
			SEE DST'S ON SHEET NO. 2.	Entrada		
				Carmel	9921	
			PLUGGED & ABANDONED AS FOLLOWS:	Navajo	1,033	
	** **		" casing set at 218' & cmt'd	to sfc. Kayenta(Jur-Tri)	1,614	
			8-5/8" casing set at 3089' & cmt'd to sfc.	Wingate	1,850	
:			5-1/2" liner set at 2905' to 4570' & cmt.	Chinle (Tri)	2,135	
			circulated. Perfs 3281-4390' were sqzd.	Shinarump	2,378	
			with 50 sx. cement below the permanent	Cutler Silt (Perm)	3,057	
	:		production packer at 3242' & 10 sacks cmt.	Honaker Trail	3,723	
			dumped on the packer. Spotted a 60-sack	(Penn)		
			cement plug at 1510-1660' & a 30-sack cmt.	Desert Creek	4,792	
			plug from 60' to sfc. Installed dry hole	Salt		
			marker. Well plugged & abandoned 8-21-79.			
			NOTE: Received verbal approval of above			
			procedure from Jerry W. Long, USGS,			,
	•		Durango, Colorado, on 8-20-79.			

U.S. Geological Survey Form 9-330

Union Oil Company of California Big Indian No. 8-B9 San Juan Co., Utah 8-29-79 Sheet 2

#### 31. Perforation Record:

(Set cement plug from 4801-4560' prior to perforating.)

3281-3289' - Honaker Trail - 1 spf 3294-3300' - Honaker Trail - 1 spf 3489-3493' - Honaker Trail - 1 spf 3501-3505' - Honaker Trail - 1 spf 3511-3516' - Honaker Trail - 1 spf 3926-3932' - Honaker Trail - 1 spf 3940-3948' - Honaker Trail - 1 spf 4379-4390' - Honaker Trail - 1 spf

### 37. Drill Stem Tests:

DST #1: Honaker Trail

Misrun.

#### DST #2: Honaker Trail - 3782-3813'

Opened tool for 30 min. initial preflow with strong air blow continuing for 30 mins. S.I. 60 mins. Opened for 60 min. flow period with strong air blow decreasing to fair air blow at end of period. S.I. 120 mins. POOH. Recovered 20' rat-hole drilling mud and no water or gas.

IHP 1766#. IPF 55#. FPF (30) 55#. ISIP (60) 191#. IFP 55#. FFP (60) 55#. FSIP (120) 191#. FHP 1766#.

BHT 970